

Appln. No.: 10/711,190
Amendment dated Dec. 15, 2008
Reply to Office Action of October 30, 2008

This listing of claims will replace all prior versions, and listings, of claims in the application. No amendments have been made. Rather, this listing of claims is presented for the examiner's convenience.

Listing of Claims:

1. (Previously Presented) A method comprising:
receiving, at a small-screen device, a web page for display on a display of the small-screen device;
mapping each of a plurality of sections of the web page to at least one button of a plurality of buttons on a keypad of the small-screen device, based at least in part on a position of each section within the web page as compared to the position of the at least one button to which it is mapped within the keypad, wherein said mapping is based on preexisting logical divisions of the web page unrelated to the keypad mapping;
detecting that a user of the small-screen device has selected one of the plurality of buttons on the keypad; and
in response to detecting that a user of the small-screen device has selected one of the plurality of buttons on the keypad, displaying on the display the section of the web page mapped to the selected button.
2. (Original) The method of claim 1, wherein the keypad comprises a 12-key telephone keypad.
3. (Original) The method of claim 1, wherein each section corresponds to a frame within the web page.
4. (Original) The method of claim 1, wherein one of the sections corresponds to a table within the web page.
5. (Canceled).

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6. (Previously Presented) The method of claim 1, wherein the mapping comprises:
identifying a predetermined number of subsections of the one section, the predetermined number of subsections corresponding to the number of buttons to which the one section is mapped; and
mapping each of the plurality of subsections of the one section to different ones of the buttons to which the one section is mapped, based at least in part on a position of each subsection within the one section as compared to the position of the buttons to which the one section is mapped, and wherein the displaying comprises displaying on the display the subsection of the web page mapped to the selected button.
7. (Previously Presented) The method of claim 1, wherein the displaying on the display comprises displaying an icon indicating which section of the web page is presently displayed.
8. (Original) The method of claim 7, wherein the icon comprises a sectional representation of the web page.
9. (Previously Presented) The method of claim 1, further comprising, prior to the detecting that a user of the small-screen device has selected one of the plurality of buttons on the keypad, displaying a mapping screen indicating to the user of the small-screen device the mappings between sections and buttons.
10. (Previously Presented) The method of claim 9, wherein the displaying on the display comprises displaying an icon indicating which section of the web page is presently displayed, and wherein the icon comprises a miniature representation of the mapping screen.
11. (Previously Presented) An apparatus comprising:
a processor; and

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memory storing computer readable instructions that, when executed by the processor, cause the apparatus to display a web page that has been divided into a plurality of sections by performing:

mapping each of the plurality of sections of the web page to at least one button on a keypad comprising a plurality of buttons, based at least in part on a position of each section within the web page as compared to the position of the at least one button to which it is mapped within the keypad, wherein said mapping is based on preexisting logical divisions of the web page unrelated to the keypad mapping;

detecting that a user of the apparatus has selected one of the plurality of buttons on the keypad; and

in response to detecting that the user of the apparatus has selected one of the plurality of buttons on the keypad, displaying on a display the section of the web page mapped to the selected button.

12. (Previously Presented) The apparatus of claim 11, wherein the device comprises a mobile telephone and the keypad comprises a 12-key telephone keypad.

13. (Previously Presented) The apparatus of claim 11, wherein each section corresponds to a frame within the web page.

14. (Previously Presented) The apparatus of claim 11, wherein one of the sections corresponds to a table within the web page.

15. (Canceled).

16. (Previously Presented) The apparatus of claim 11, wherein the mapping comprises:

identifying a predetermined number of subsections of the one section, the predetermined number of subsections corresponding to the number of buttons to which the one section is mapped; and

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mapping each of the plurality of subsections of the one section to different ones of the buttons to which the one section is mapped, based at least in part on a position of each subsection within the one section as compared to the position of the buttons to which the one section is mapped, and wherein the displaying comprises displaying on the display the subsection of the web page mapped to the selected button.

17. (Previously Presented) The apparatus of claim 11, wherein displaying on the display comprises displaying an icon indicating which section of the web page is presently displayed.

18. (Previously Presented) The apparatus of claim 17, wherein the icon comprises a sectional representation of the web page.

19. (Previously Presented) The apparatus of claim 11, wherein the computer readable instructions further comprise, prior to detecting that the user of the apparatus has selected one of the plurality of buttons on the keypad:

displaying a mapping screen indicating to the user of the apparatus the mappings between sections and buttons.

20. (Previously Presented) The apparatus of claim 19, wherein displaying on the display comprises displaying an icon indicating which section of the web page is presently displayed, and wherein the icon comprises a miniature representation of the mapping screen.

21. (Previously Presented) An apparatus comprising:

a processor; and

memory storing computer readable instructions that, when executed by the processor, cause the apparatus to serve a web page for display on a small screen device wherein the web page has been divided into a plurality of sections, said computer readable instructions comprising:

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mapping each of the plurality of sections of the web page to at least one button on a keypad comprising a plurality of buttons, based at least in part on a position of each section within the web page as compared to the position of the at least one button to which it is mapped within the keypad, wherein said mapping is based on preexisting logical divisions of the web page unrelated to the keypad mapping;

receiving user input comprising a selection of one of the plurality of buttons on the keypad, wherein said user input is received from a mobile terminal corresponding to the user; and

responsive to receiving the user input, sending to the mobile terminal the section of the web page mapped to the selected button.

22. (Previously Presented) The apparatus of claim 21, wherein each section corresponds to a frame within the web page.

23. (Previously Presented) The apparatus of claim 21, wherein the computer readable instructions further comprise sending to the mobile terminal an icon for display on the mobile terminal, said icon indicating which section of the web page is presently displayed.

24. (Previously Presented) One or more computer readable media storing computer executable instructions that, when executed, display a web page on a small screen device by:

receiving a web page for display on a display of the small-screen device;

mapping each of a plurality of sections of the web page to at least one button of a plurality of buttons on a keypad of the small-screen device, based at least in part on a position of each section within the web page as compared to the position of the at least one button to which it is mapped within the keypad, wherein said mapping is based on preexisting logical divisions of the web page unrelated to the keypad mapping;

detecting that a user of the small-screen device has selected one of the plurality of buttons on the keypad; and

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in response to detecting that a user of the small-screen device has selected one of the plurality of buttons on the keypad, displaying on the display the section of the web page mapped to the selected button.

25. (Previously Presented) The computer readable media of claim 24, wherein each section corresponds to a frame within the web page.

26. (Previously Presented) The computer readable media of claim 24, wherein the computer executable instructions further comprise displaying an icon indicating which section of the web page is presently displayed.

27. (Previously Presented) The method of claim 1, wherein the preexisting logical divisions include one or more frames.

28. (Previously Presented) The method of claim 1, wherein the preexisting logical divisions include one or more tables.

29. (Previously Presented) The method of claim 1, wherein the preexisting logical divisions include one or more menus.

30. (Previously Presented) The method of claim 1, wherein the preexisting logical divisions include one or more advertisements.

31. (Previously Presented) The method of claim 1, wherein the preexisting logical divisions include one or more lists.

32. (Previously Presented) The method of claim 1, wherein the preexisting logical divisions include one or more groups of text.